

ABSTRACT OF THE DISCLOSURE

The present invention provides a method of acquisition of satellite data by a mobile device including an RNSS satellite radio navigation receiver, said method including the following steps:

- 5       - said receiver receiving a signal transmitted by a plurality of satellites and corresponding to a sum of signals each transmitted by a satellite and each modulated by a spread spectrum signal characteristic of said satellite,
- 10       - said receiver generating a plurality of local duplicates each of which is the duplicate of a spread spectrum signal characteristic of a satellite,
- correcting the frequency of each of said local duplicates by compensating the Doppler effect of each of said satellites,
- summing said plurality of corrected duplicates, and
- 15       - determining the correlation function as a function of time between the sum of said plurality of corrected duplicates and said satellite data signal.